

1/1 - (C) FILE CAPLUS
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TI - Mortar compositions
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DT - Patent
LA - Japanese
IC - ICM C04B028/06
ICS C04B007/32

ICI - C04B028-06, C04B014-06, C04B024-24

CC - 58-3 (Cement, Concrete, and Related Building Materials)
Section cross-reference(s): 38

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PN	- JP61040861	A	19860227	JP 1984-162514	19840731 <--
PR	- JP 1984-162514			19840731	
AB	- The mortar compns. consist of white cement (I), white aluminous cement (II) (II/I wt. ratio of 0.5-5), gypsum (III) (III/I wt. ratio of 0.3-2), polymer dispersion [(polymer component)/(I + II + III) wt. ratio of 0.1-1], colored sand (aggregates), and water. The mortar compns. prevent irregular color, significantly inhibit crack formation caused by mortar shrinkage, and are useful as a decorative floor surface of trains and ships, and as an internal or an external wall of buildings. Thus, I 25 was mixed with II 45, and III 35, then with a mixt. of poly(acrylic acid ester) dispersion [(polymer component)/(I + II + III) wt. ratio of 0.2], SiO ₂ sand 200 parts, and water to give a mortar compn., and a galvanized sheet was coated with the compn. 4 mm thick (as dried) and cured. The resultant board was bent at an angle 120.degree. to show no crack formation. Several drops of water were dropped on the coating, and the coating did not show appreciable change 1 day later.				
ST	- shrinkage crack prevention; gypsum aluminous cement polymer mortar;				

polyacrylate dispersion mortar compn; irregular color prevention
colored sand

T - Mortar
(colored, contg. polymer dispersions for shrinkage crack prevention)

T - Sand
RL: USES (Uses)
(colored, in mortar, for even color)

T - Floors
(decorative, colored mortar for, contg. polymer dispersions for shrinkage crack prevention)

T - Polymers, uses and miscellaneous
RL: USES (Uses)
(dispersions, in mortar, for shrinkage crack prevention)

T - 79-10-7D, esters, polymers
RL: USES (Uses)
(dispersions, in mortar, for shrinkage crack prevention)

T - 13397-24-5, uses and miscellaneous
RL: USES (Uses)
(mortar with polymer dispersions for shrinkage crack prevention)